

## Registration

Registration fee includes admission to the all scientific session, exhibition, coffee breaks, reception and abstract book. Participants are encouraged to register for the 31th Annual Meeting of KSOT/KEMS by October 30, 2015 to take advantage of the reduced fee.

- Pre-registration can be made through internet site of KSOT/KEMS ([www.toxmut.or.kr](http://www.toxmut.or.kr))
- For those who do not register in advance, on-site registration will be open in the Samsung Convention Center beginning at 13:30 on Thursday, November 12, 2015.

	Early Registration	On-site Registration
KSOT Member	100,000	120,000
Student Member	50,000	70,000
General Participants	150,000	180,000
Student Non-member	70,000	90,000

## Important Dates

- **October 30** Deadline for abstract submission
- **October 30** Deadline for pre-registration

## KSOT/KEMS Secretariat

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Journal Site : [www.toxicolres.org](http://www.toxicolres.org)

## Venue



### Samsung Convention Center, Seoul National University

Location : 239-1 Nakseongdae-Dong, Gwanak-Gu, Seoul, Korea 151-057  
Questions and comments go to [hoam@hoam.ac.kr](mailto:hoam@hoam.ac.kr)  
Tel : 82-2-871-4053 / Fax. 82-2-871-4056 / Home page : [www.hoam.ac.kr](http://www.hoam.ac.kr)

#### Way #1 From Incheon airport to Hoam

1. Take the "#6017 Airport limousine bus" at the GATE 6B or 13B. (Check the Bus time table)
2. Get off at the last stop "Hoam Faculty House"

#### Way #2. From Kimpo airport to Hoam

1. Take the "#6003 Airport limousine bus" at the Bus terminal #6. The bus will depart every 20minutes.
2. Get off at the main gate of Seoul National University. Take a taxi or a shuttle from the main gate of Seoul National University
  - Shuttle service is available upon reservation only.
  - Running hour of shuttle : 08:00~19:00 (Monday to Friday).
  - Please contact at 82-2-880-0311 for reservation

#### Way #3 By Subway

- Nakseongdae Station, approximately 5 minutes by taxi
- Nakseongdae Station, approximately 10 minutes by Village Orbiting Bus No. 02

The 31st Annual Meeting of KSOT/KEMS

# Advanced Issues in Toxicological Exposure and Cancer Progression

Nov. 12 (Thu) ~ 13 (Fri), 2015

Samsung Convention Center,  
Seoul National University

주최 (사)한국독성학회/한국환경성독물연변이·발암원학회

후원 식품의약품안전평가원 KIST 안전성평가연구소  
Korea Institute of Toxicology

# Invitation

(사)한국독성학회/한국환경성돌연변이·발암원학회 회원 및 독성분야 과학자 여러분,

우리 학회 행사에 변함없이 관심을 주시고 참여해주셔서 항상 깊은 감사의 말씀을 드립니다. 특히 제7회 아시아독성학회(2015. 6. 23 ~ 26, 제주ICC)를 매우 성공적으로 개최할 수 있도록 열정적으로 참여해주신 여러분 덕분에 우리 학회는 명실공히 세계적인 학회로 다시 한 번 도약하게 되었습니다.



우리 학회는 국내 독성학 연구 분야의 활성화 및 국제화를 위하여 지속적으로 노력해왔습니다. 특히 생활용품, 식품, 화장품, 의약품 등 환경매체에서 노출되는 화학물질에 의한 인체 유해성의 규명 확인 및 평가를 통해 국민 보건 향상과 안전한 제품 사용을 위한 학술행사와 사회적 참여에 노력하고 있습니다.

가을의 정취가 무르익는 11월, 금번 제31차 정기학술대회는 “Advanced Issues in Toxicological Exposure and Cancer Progression”을 주제로 국내외의 연자들을 모시고 알찬 학술 프로그램을 준비했습니다. 또한 학술상, 우수포스터상 시상 등 다채로운 학술행사와 격려의 자리를 준비하였습니다.

이번 정기학술대회는 환경물질이 암 발생에 미치는 영향, 3D 및 body-on-a-chip 등을 이용한 최근 독성 평가 응용, 면역독성에 대한 최신 지견, Microbiome를 이용한 분자생물학적 독성평가 응용, 흡연이 건강에 미치는 영향 등 다양한 독성학 연구의 최신 동향들이 발표되고 토론될 예정입니다. 또한, 기초연설로 Dr. Helmut Zarbl의 환경물질 노출과 유방암 발생에 대한 최신 지견에 관한 강의를 예정되어 있습니다. 그리고 우리 학회의 회원이시며 세계적 저명학자이신 서영준 교수의 기초연설도 준비되어 있습니다. 동시에 저명한 국내의 석학을 모시고 진행 될 본 행사는 우리 독성학 분야 학계 및 산업계 발전에 큰 도움이 될 것으로 기대하며, 최신 학문 발전, 환경보건, 생명과학 연구의 트렌드를 제공하여 국내 수준의 진보, 국민 건강 및 복지 향상에도 기여할 것으로 기대합니다. 제 임기의 마지막 행사에 여러 회원 분들의 적극적인 참여와 후원에 감사드리는 의미로 진짜 깜짝 놀랄만한 다양한 참가상품들도 준비되어 있으니 폐회식까지 참가하여 주시길 부탁드립니다.

끝으로 회원 여러분의 건승하심을 기원하며 본 행사의 준비를 위해 수고해주신 임원진의 노고에 깊은 감사를 드립니다.

2015. 10.

(사)한국독성학회/한국환경성돌연변이·발암원학회  
회장 조 명 행

## The 31st Annual Meeting of KSOT/KEMS Advanced Issues in Toxicological Exposure and Cancer Progression

Nov. 12 (Thu) ~ 13 (Fri), 2015  
Samsung Convention Center, Seoul National University

### NOV 12 (Thursday)

12:30-13:30	<b>Council Meeting</b>
13:30-14:30	<b>Registration</b>
14:40-15:00	<b>Opening Ceremony</b> Dr. Myung-Haing Cho (President of KSOT, Seoul National University)
15:00-15:45 Mukunghwa Hall (2F)	<b>Plenary Lecture I</b> Chaired by Dr. Joo Young Lee (The Catholic University of Korea) Perinatal exposure to low doses of zeranone induces adverse transgenerational effects on sexual development, fecundity and susceptibility to mammary carcinogenesis Dr. Helmut Zarbl (Rutgers University, USA)
15:45-16:00	<b>Coffee Break / Poster Session</b>
16:00-17:30 Mukunghwa Hall (2F)	<b>Session 1: Environmental Exposure to Cancer Progression</b> Chaired by Dr. Kyu-Bong Kim (Dankook University)
16:00-16:30	<b>S1-1</b> Disruption of circadian rhythm increases susceptibility to mammary carcinogenesis and metastasis Dr. Mingzhu Fang (Rutgers University, USA)
16:30-17:00	<b>S1-2</b> Metabolic shift toward tumor aerobic glycolysis driven by PHF20-mediated mitochondria dysfunction in colon cancer cells Dr. Jongsun Park (Chungnam National University)
17:00-17:30	<b>S1-3</b> TIMP-1 mediates TGF- $\beta$ -depend crosstalk between hepatic stellate and cancer cells via FAK signaling Dr. Yhun Yhong Sheen (Ewha Womans University)
16:00-17:30 Mokryen Hall (1F)	<b>Session 2: New Technologies for Toxicological Application</b> Chaired by Dr. Keon Wook Kang (Seoul National University)
16:00-16:30	<b>S2-1</b> Tissue clearing technique for 3D toxicological diagnostics Dr. Woong Sun (Korea University)
16:30-17:00	<b>S2-2</b> Hybrid organ printing and its body-on-a-chip for toxicological application Dr. Hyun-Wook Kang (UNIST)
17:00-17:30	<b>S2-3</b> Basic platform for toxicological approach using stem cells Dr. Jaejin Cho (Seoul National University)
17:30-18:00	<b>KSOT/KEMS General Assembly</b>
18:00	<b>Reception</b>

### NOV 13 (Friday)

09:15-10:00 Mukunghwa Hall (2F)	<b>Plenary Lecture II</b> Chaired by Dr. Young-Jin Chun (Chung-Ang University) Some endogenous substances with anti-inflammatory, proresolving and anti-carcinogenic activities Dr. Young-Joon Surh (Seoul National University)
10:00-10:20	<b>Coffee break</b>
10:20-11:50 Mukunghwa Hall (2F)	<b>Session 3: Environmental Exposures and Immunotoxicology</b> Chaired by Dr. Kyung-Chul Choi (Chungbuk National University)
10:20-10:50	<b>S3-1</b> Bronchoconstriction, airway epithelium, and collective migration in asthma Dr. Jin-Ah Park (Harvard University, USA)
10:50-11:20	<b>S3-2</b> Roles of peroxiredoxin 6 on the development of chronic inflammatory diseases Dr. Jin Tae Hong (Chungbuk National University)
11:20-11:50	<b>S3-3</b> Introduction of Inflammasome and its regulators Dr. Geun-Shik Lee (Kangwon National University)
12:00-12:30 Mokryen Hall (1F)	<b>Luncheon Education Course (50 participants limited)</b> Better perspectives of toxicology and toxicity test in a field of drug development Dr. Yeong-Chul Park (Catholic University of Daegu)
11:50-13:30	<b>Lunch / Poster Session</b>
13:30-15:00 Mukunghwa Hall (2F)	<b>Session 4: Advanced Molecular Toxicology</b> Chaired by Dr. Jinhee Choi (University of Seoul)
13:30-14:00	<b>S4-1</b> Microbiome: technology and applications Dr. Jongsik Chun (Seoul National University)
14:00-14:30	<b>S4-2</b> Biomonitoring of human exposure to endocrine disrupting chemicals based on environmental metabolomics Dr. Jeongae Lee (Korea Institute of Science and Technology)
14:30-15:00	<b>S4-3</b> Genome-wide molecular and environmental biology using marine organisms Dr. Jae-Seong Lee (Sungkyunkwan University)
13:30-15:10 Mokryen Hall (1F)	<b>Session 5: Effect of Smoking Exposure in Human Health</b> Chaired by Dr. Sung Hwan Ki (Chosun University)
13:30-13:55	<b>S5-1</b> Nicotine challenge upregulates glutamate release, MAP kinase phosphorylation, and behavioral sensitization Dr. Eun Sang Choe (Pusan National University)
13:55-14:20	<b>S5-2</b> Genetic and epigenetic alterations by tobacco smoking Dr. Mihi Yang (Sookmyung Women's University)
14:20-14:45	<b>S5-3</b> Lung emphysema in smoke-induced animal models Dr. Sung-Woo Park (Soonchunhyang University Bucheon Hospital)
14:45-15:10	<b>S5-4</b> Regulations on the tobacco products Dr. Kyenghee Kwon (Dongguk University)
15:10-15:40	<b>Award Presentation &amp; Closing Remark</b>